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4	BRS	L4	0	(PalmOS) same (simulation)	USPAT	2004/09/23 09:07
5	BRS	L5	34	(Palm) same (simulation)	USPAT	2004/09/23 09:07
6	BRS	L6	5	((Palm) same (simulation)) and wireless	USPAT	2004/09/23 09:12
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161 [Some social implications of ubiquitous wireless networks](#)

Marc A. Smith

April 2000 **ACM SIGMOBILE Mobile Computing and Communications Review**, Volume 4 Issue 2

Full text available: pdf(1.41 MB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Wireless computer networks and the devices to communicate with them are about to become ubiquitous. A profusion of devices is likely to emerge quickly in specialized form factors, from handhelds to cheap, disposable sensors. Groups of people using these tools will gain new forms of social power, ways to organize and coordinate their interactions and exchanges just in time and just in place. Using these tools, people will be able to collectively construct a range of resources that were too diffic ...

162 [CyPhone—bringing augmented reality to next generation mobile phones](#)

Tino Pyssysalo, Tapio Repo, Tuukka Turunen, Teemu Lankila, Juha Rönning

April 2000 **Proceedings of DARE 2000 on Designing augmented reality environments**

Full text available: pdf(6.46 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We describe a prototype implementation of a future mobile phone called CyPhone. In addition to voice calls, it has been designed to support context-specific and multi-user multimedia services in an augmented reality manner. Context-awareness has been implemented with GPS-based navigation techniques and a registration algorithm, capable of detecting a predefined 3-D model or a landmark in the environment. A new adaptive transport protocol has been developed to support real-time packet-switched ...

Keywords: mobile communication, navigation, networked virtual reality, real-time data transport protocols, registration

163 [System-level power optimization: techniques and tools](#)

Luca Benini, Giovanni de Micheli

April 2000 **ACM Transactions on Design Automation of Electronic Systems (TODAES)**, Volume 5 Issue 2

Full text available: pdf(385.22 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)


This tutorial surveys design methods for energy-efficient system-level design. We consider electronic systems consisting of a hardware platform and software layers. We consider the

three major constituents of hardware that consume energy, namely computation, communication, and storage units, and we review methods of reducing their energy consumption. We also study models for analyzing the energy cost of software, and methods for energy-efficient software design and compilation. This survey ...

164 Charting past, present, and future research in ubiquitous computing

Gregory D. Abowd, Elizabeth D. Mynatt

March 2000 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 7 Issue 1


Full text available:  pdf(730.83 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The proliferation of computing into the physical world promises more than the ubiquitous availability of computing infrastructure; it suggests new paradigms of interaction inspired by constant access to information and computational capabilities. For the past decade, application-driven research on ubiquitous computing (ubiquitous computing) has pushed three interaction themes: natural interfaces, context-aware applications, and automated capture and access. To chart a course ...

Keywords: augmented reality, capture and access, context-aware applications, evaluation, everyday computing, natural interfaces, social implications, ubiquitous computing, user interfaces

165 The HiBall Tracker: high-performance wide-area tracking for virtual and augmented environments

Greg Welch, Gary Bishop, Leandra Vicci, Stephen Brumback, Kurtis Keller, D'nardo Colucci
December 1999 **Proceedings of the ACM symposium on Virtual reality software and technology**

Full text available:  pdf(2.91 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)


Our HiBall Tracking System generates over 2000 head-pose estimates per second with less than one millisecond of latency, and less than 0.5 millimeters and 0.02 degrees of position and orientation noise, everywhere in a 4.5 by 8.5 meter room. The system is remarkably responsive and robust, enabling VR applications and experiments that previously would have been difficult or even impossible. Previously we published descriptions of only the Kalman filter-based software approach that ...

Keywords: Kalman filter, autocalibration, calibration, delay, latency, optical sensor, sensor fusion, tracking, virtual environments

166 The VideoMouse: a camera-based multi-degree-of-freedom input device

Ken Hinckley, Mike Sinclair, Erik Hanson, Richard Szeliski, Matt Conway

November 1999 **Proceedings of the 12th annual ACM symposium on User interface software and technology**

Full text available:  pdf(283.89 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The VideoMouse is a mouse that uses a camera as its input sensor. A real-time vision algorithm determines the six degree-of-freedom mouse posture, consisting of 2D motion, tilt in the forward/back and left/right axes, rotation of the mouse about its vertical axis, and some limited height sensing. Thus, a familiar 2D device can be extended for three-dimensional manipulation, while remaining suitable for standard 2D GUI tasks. We describe techniques for mouse functionality, 3D manipulation, n ...

Keywords: camera-based input, input devices, interaction technique, multi-degree-of-

freedom input, rotation, tilt sensing

167 Composable ad hoc location-based services for heterogeneous mobile clients

Todd D. Hodes, Randy H. Katz

October 1999 **Wireless Networks**, Volume 5 Issue 5

Full text available:  pdf(403.18 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

168 Mining GPS data to augment road models

Seth Rogers, Pat Langley, Christopher Wilson

August 1999 **Proceedings of the fifth ACM SIGKDD international conference on Knowledge discovery and data mining**

Full text available:  pdf(1.13 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: background knowledge, case studies, evaluating knowledge and potential discoveries, implementation and use of KDD systems, incremental algorithms, noisy data

169 Evaluating the performance of mobile agent-based message communication among mobile hosts in large ad hoc wireless network

S. Bandyopadhyay, Krishna Paul

August 1999 **Proceedings of the 2nd ACM international workshop on Modeling, analysis and simulation of wireless and mobile systems**

Full text available:  pdf(722.43 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

170 Adaptive protocols for information dissemination in wireless sensor networks

Wendi Rabiner Heinzelman, Joanna Kulik, Hari Balakrishnan


August 1999 **Proceedings of the 5th annual ACM/IEEE international conference on Mobile computing and networking**

Full text available:  pdf(1.48 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

171 In-Cell Frequency Reuse for Broadband Indoor Wireless Systems Using Sectorized Antennas








Aleandro S. Macedo, Elvino S. Sousa


June 1999 **Wireless Personal Communications: An International Journal**, Volume 10 Issue 1

Full text available:  [Publisher Site](#) Additional Information: [full citation](#), [abstract](#)

This paper proposes a hybrid Space-Time Division Multiple Access (S-TDMA) for broadband indoor wireless systems using sectorized antennas. It is shown that portables which are located in different sectors of the indoor microcell may be able to reuse the same frequency and the same time slot. However this requires careful scheduling of packet transmissions in order to avoid transmitting packets that would jam each other during the same time slot. It is proposed that the scheduling ...

Keywords: broadband, indoor, multi-access, sector-antenna, wireless

- 172 GPS-based geographic addressing, routing, and resource discovery
Tomasz Imieliński, Julio C. Navas
April 1999 **Communications of the ACM**, Volume 42 Issue 4
Full text available:  pdf(329.24 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#),
 html(32.72 KB) [review](#)
- 173 Visual simulation environment
Osman Balci, Anders I. Bertelrud, Chuck M. Esterbrook, Richard E. Nance
December 1998 **Proceedings of the 30th conference on Winter simulation**
Full text available:  pdf(2.51 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)
- 174 Interference radius in PCS radio resource management simulations
Michael Liljenstam, Rassul Ayani
December 1998 **Proceedings of the 30th conference on Winter simulation**
Full text available:  pdf(291.04 KB) Additional Information: [full citation](#), [references](#), [index terms](#)
- 175 How to prove where you are: tracking the location of customer equipment
Eran Gabber, Avishai Wool
November 1998 **Proceedings of the 5th ACM conference on Computer and communications security**
Full text available:  pdf(1.01 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)
- 176 Location-aided routing (LAR) in mobile ad hoc networks
Young-Bae Ko, Nitin H. Vaidya
October 1998 **Proceedings of the 4th annual ACM/IEEE international conference on Mobile computing and networking**
Full text available:  pdf(999.24 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)
- 177 Constellation: a wide-range wireless motion-tracking system for augmented reality and virtual set applications
Eric Foxlin, Michael Harrington, George Pfeifer
July 1998 **Proceedings of the 25th annual conference on Computer graphics and interactive techniques**
Full text available:  pdf(388.67 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)
- Keywords:** accuracy, augmented reality, inertial ultrasonic, kalman filtering, latency, motion tracking, sensor fusion, virtual sets
- 178 An Application Platform for the Development and Experimental Validation of Mobile Robots for Health Care Purposes
Olaf Buckmann, Mathias Krömker, Ulrich Berger
July 1998 **Journal of Intelligent and Robotic Systems**, Volume 22 Issue 3-4

Full text available:  [Publisher Site](#)

Additional Information: [full citation](#), [abstract](#)

This paper describes an Application Platform for the development and testing of mobile robot units. Within this platform, various applications addressing different aspects of robot development are composed into an experimental environment. The Application Platform comprises modules such as a Neural Networks Simulator, a simulation and off-line programming system, optical sensor components, a rapid prototyping system, and an experimental workcell. Each of these modules is described in de ...

Keywords: experimental platform, health care, mobile robots, neural network, optical sensing, rapid prototyping, robotics, simulation techniques

179 [Wearable Computing and the Remembrance Agent](#)

I. B. Crabtree, B. Rhodes

July 1998 **BT Technology Journal**, Volume 16 Issue 3

Full text available:  [Publisher Site](#)



Additional Information: [full citation](#), [abstract](#)

This paper gives an overview of the field of wearable computing. It covers the key differences between wearables and other portable computers, and discusses issues with the design and application for wearables. There then follows a specific example, the wearable remembrance agent — a proactive memory aid. The paper concludes with discussion of future directions for research and applications inspired by using the prototype.

180 [GloMoSim: a library for parallel simulation of large-scale wireless networks](#)

Xiang Zeng, Rajive Bagrodia, Mario Gerla

July 1998 **ACM SIGSIM Simulation Digest , Proceedings of the twelfth workshop on Parallel and distributed simulation**, Volume 28 Issue 1

Full text available:  [pdf\(892.05 KB\)](#)
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1	BRS	L1	6	703/6.ccls. and PDA	USPAT	2004/09/22 16:32
2	BRS	L2	0	(PDA and simulator).ti.	USPAT	2004/09/22 16:33
3	BRS	L3	94	PDA and simulator	USPAT	2004/09/22 16:33
4	BRS	L4	5	(PDA and simulator) and (bar adj code)	USPAT	2004/09/22 16:37
5	BRS	L5	0	(PDA same simulator) and (bar adj code)	USPAT	2004/09/22 16:34
6	BRS	L6	3	(PDA and simulator) and (PDA same camera)	USPAT	2004/09/22 16:39
7	BRS	L7	98	(PDA and emulator)	USPAT	2004/09/22 16:39
8	BRS	L8	3490	(PDA same emulator)	USPAT	2004/09/22 16:39
9	BRS	L9	5	(PDA same emulator)	USPAT	2004/09/22 16:39
10	BRS	L10	0	(PDA and simulate).ti.	USPAT	2004/09/22 16:40
11	BRS	L11	0	(PDA and simulate\$).ti.	USPAT	2004/09/22 16:40

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- ☐ Classification codes A: Physics, 8
- ☐ Classification codes A: Physics, 9
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2	BRS	L2	1	6216098.pn. and synch\$ and visual	USPAT	2004/09/23 12:29
3	BRS	L3	0	6216098.pn. and (I/O)	USPAT	2004/09/23 12:30
4	BRS	L4	52	PDA same probe	USPAT	2004/09/23 12:30
5	BRS	L5	1	(PDA same probe) and (probe near transmit\$)	USPAT	2004/09/23 12:34
6	BRS	L6	1	5652412.pn.	USPAT	2004/09/23 12:36
7	BRS	L7	1	6009198.pn.	USPAT	2004/09/23 12:37
8	BRS	L8	17	PDA same (electronic adj pen)	USPAT	2004/09/23 12:37
9	BRS	L9	0	PDA same (electronic adj pen) and (simulator same PDA)	USPAT	2004/09/23 12:37
10	BRS	L10	1	PDA same (electronic adj pen) and simulate\$	USPAT	2004/09/23 12:42
11	BRS	L11	16261	stylus	USPAT	2004/09/23 12:42
12	BRS	L12	0	(stylus same PDA) and (sytlus same wired)	USPAT	2004/09/23 12:43
13	BRS	L13	0	(sytlus same wired)	USPAT	2004/09/23 12:43
14	BRS	L14	106	(stylus same wired)	USPAT	2004/09/23 12:43
15	BRS	L15	106	(stylus same wired)	USPAT	2004/09/23 12:44
16	BRS	L16	18	(stylus same wired) and PDA	USPAT	2004/09/23 12:44
17	BRS	L17	4	(stylus same wired) and PDA and simulate\$	USPAT	2004/09/23 12:46
18	BRS	L18	14295	(stylus same wire\$) or (probe same wire\$)	USPAT	2004/09/23 12:46
19	BRS	L19	12756	(probe same wire\$)	USPAT	2004/09/23 12:47
20	BRS	L20	3148	(probe same wire\$) and (probe same transmit\$)	USPAT	2004/09/23 12:47
21	BRS	L21	27	(probe same wire\$) and (probe same transmit\$) and PDA	USPAT	2004/09/23 12:51

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21			0

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22	BRS	L22	1	(probe same wire\$) and (probe same transmit\$) and PDA and simulate\$	USPAT	2004/09/23 12:55
23	BRS	L23	2	(PDA same simulate\$) and (PDA same camera)	USPAT	2004/09/23 12:56
24	BRS	L24	28	(PDA same camera) and (PDA same (bar adj code))	USPAT	2004/09/23 12:57
25	BRS	L25	5	(PDA same camera) and (PDA same (bar adj code)) and (PDA same GPS)	USPAT	2004/09/23 15:30
26	BRS	L26	16	wired adj probe	USPAT	2004/09/23 13:09
27	BRS	L27	0	(wired adj probe) and PDA	USPAT; IBM_T DB	2004/09/23 13:09
28	BRS	L29	0	(wired adj probe) and simulation	USPAT; IBM_T DB	2004/09/23 13:09
29	BRS	L30	0	(wired adj probe) and PDA	USPAT; IBM_T DB	2004/09/23 13:10
30	BRS	L28	22	(wired adj probe)	USPAT; IBM_T DB	2004/09/23 13:10
31	BRS	L31	3	(wired adj stylus)	USPAT; IBM_T DB	2004/09/23 13:40
32	BRS	L32	1	6512525.pn.	USPAT; IBM_T DB	2004/09/23 13:40
33	BRS	L33	1	6512525.pn. and (probe or stylus)	USPAT; IBM_T DB	2004/09/23 13:41
34	BRS	L34	1	6512525.pn. and (probe or stylus) and icon	USPAT; IBM_T DB	2004/09/23 14:04
35	BRS	L35	4	(PDA same dictionary) and (PDA same translator)	USPAT; IBM_T DB	2004/09/23 14:14
36	BRS	L36	2	(PDA same stethoscope)	USPAT; IBM_T DB	2004/09/23 14:07
37	BRS	L37	0	(PDA same stethoscope) and simulation	USPAT; IBM_T DB	2004/09/23 14:07

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22			0
23			0
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26			0
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36			0
37			0

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38	BRS	L38	2	(PDA same stylus) and (PDA same translator)	USPAT; IBM_T DB	2004/09/23 14:17
39	BRS	L39	0	(PDA same stylus) and (PDA same book adj translator)	USPAT; IBM_T DB	2004/09/23 14:17
40	BRS	L40	0	(PDA same stylus) and (PDA same book adj reader)	USPAT; IBM_T DB	2004/09/23 14:17
41	BRS	L41	0	(PDA same stylus) and (PDA same book adj pronouncer)	USPAT; IBM_T DB	2004/09/23 14:17
42	BRS	L42	0	(PDA same stylus) and (PDA same pronouncer)	USPAT; IBM_T DB	2004/09/23 14:18
43	BRS	L43	0	(PDA same stylus) and (PDA same pronounce)	USPAT; IBM_T DB	2004/09/23 14:18
44	BRS	L44	11	(PDA same stylus) and (PDA same scale)	USPAT; IBM_T DB	2004/09/23 14:19
45	BRS	L45	0	(PDA same stylus) and (PDA same (geiger adj counter))	USPAT; IBM_T DB	2004/09/23 14:19
46	BRS	L46	0	(PDA same geiger)	USPAT; IBM_T DB	2004/09/23 14:20
47	BRS	L47	130	(PDA same radiation)	USPAT; IBM_T DB	2004/09/23 14:20
48	BRS	L48	11	(PDA same radiation) and (PDA same stylus)	USPAT; IBM_T DB	2004/09/23 14:21
49	BRS	L49	2	(PDA same radiation) and (spectrum adj analyzer)	USPAT; IBM_T DB	2004/09/23 14:22
50	BRS	L50	35	((personal adj digital adj assistant) same radiation)	USPAT; IBM_T DB	2004/09/23 14:22
51	BRS	L51	8	((personal adj digital adj assistant) same radiation) and stylus	USPAT; IBM_T DB	2004/09/23 14:25
52	BRS	L52	4	((personal adj digital adj assistant) same dictionary) and stylus	USPAT; IBM_T DB	2004/09/23 14:27

	Comments	Error Definition	Errors
38			0
39			0
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42			0
43			0
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45			0
46			0
47			0
48			0
49			0
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51			0
52			0

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53	BRS	L53	1	((personal adj digital adj assistant) same dictionary) and stylus and (bar adj code)	USPAT; IBM_T DB	2004/09/23 14:43
54	BRS	L54	699	((personal adj digital adj assistant) same camera)	USPAT; IBM_T DB	2004/09/23 14:44
55	BRS	L56	5	((personal adj digital adj assistant) same camera) and stylus and simulate\$	USPAT; IBM_T DB	2004/09/23 14:48
56	BRS	L57	24	((personal adj digital adj assistant) same camera) and stylus	USPAT; IBM_T DB	2004/09/23 14:58
57	BRS	L55	24	((personal adj digital adj assistant) same camera) and stylus	USPAT; IBM_T DB	2004/09/23 15:00
58	BRS	L61	0	6441267.pn. and camera	USPAT; IBM_T DB	2004/09/23 15:11
59	BRS	L62	0	6441267.pn. and camera and storage and image	USPAT; IBM_T DB	2004/09/23 15:12
60	BRS	L63	0	6441267.pn. and data	USPAT; IBM_T DB	2004/09/23 15:18
61	BRS	L64	0	6441267.pn. and retrieve	USPAT; IBM_T DB	2004/09/23 15:22
62	BRS	L65	0	6216098.pn. and 5909211.pn. and 6512525.pn. and (compare or retrieve)	USPAT; IBM_T DB	2004/09/23 15:22
63	BRS	L66	0	6216098.pn. and 5909211.pn. and 6512525.pn. and compare	USPAT; IBM_T DB	2004/09/23 15:26
64	BRS	L67	0	6216098.pn. and 5909211.pn. and 6512525.pn. and bar adj code	USPAT; IBM_T DB	2004/09/23 15:26
65	BRS	L68	1	5909211.pn. and bar adj code	USPAT; IBM_T DB	2004/09/23 15:28
66	BRS	L69	0	651225.pn. and bar adj code	USPAT; IBM_T DB	2004/09/23 15:28
67	BRS	L70	0	6216098.pn. and bar adj code	USPAT; IBM_T DB	2004/09/23 15:28

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53			0
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68	BRS	L71	0	6446127.pn. and bar adj code	USPAT; IBM_T DB	2004/09/23 15:29
69	BRS	L72	47	simulation and PDA and bar adj code	USPAT; IBM_T DB	2004/09/23 15:29
70	BRS	L73	5	simulation and PDA and bar adj code and stylus	USPAT; IBM_T DB	2004/09/23 15:29
71	BRS	L74	0	(PDA same camera) and (stylus same (bar adj code)) and (PDA same GPS)	USPAT	2004/09/23 15:30
72	BRS	L75	1	(PDA same camera) and (stylus same (bar adj code))	USPAT	2004/09/23 15:37
73	BRS	L76	5	(stylus same (bar adj code)) and (stylus same PDA)	USPAT	2004/09/23 15:52
74	BRS	L77	4	(stylus same (bar adj code)) and (stylus same PDA) and infrared	USPAT	2004/09/23 16:04
75	BRS	L78	48	(stylus same location) and (stylus same PDA) and infrared	USPAT	2004/09/23 16:04
76	BRS	L79	90	(stylus same location) and (stylus same PDA)	USPAT	2004/09/23 16:04
77	BRS	L80	19	(stylus same location) and (stylus same PDA) and digitizer	USPAT	2004/09/23 16:05
78	BRS	L81	15	(stylus same location) and (stylus same PDA) and (digitizer same stylus)	USPAT	2004/09/23 16:22
79	BRS	L84	2	(stylus same location) and (stylus same PDA) and (digitizer same stylus) and (PDA and ultrasound)	USPAT	2004/09/23 16:43
80	BRS	L85	1	6216098.pn. and visu\$	USPAT	2004/09/23 16:54
81	BRS	L86	1	6216098.pn. and multi\$	USPAT	2004/09/23 16:54
82	BRS	L87	1940	simulation and multimedia	USPAT	2004/09/23 16:55
83	BRS	L88	7	simulation and multimedia and PDA and stylus	USPAT	2004/09/23 16:58
84	BRS	L89	0	(simulation same PDA) and multimedia and synchronization	USPAT	2004/09/23 16:57
85	BRS	L90	0	(simulation same PDA) and multimedia	USPAT	2004/09/23 16:57
86	BRS	L91	0	(simulation and PDA) and multimedia	USPAT	2004/09/23 16:57

	Comments	Error Definition	Errors
68			0
69			0
70			0
71			0
72			0
73			0
74			0
75			0
76			0
77			0
78			0
79			0
80			0
81			0
82			0
83			0
84			0
85			0
86			0

	Type	L #	Hits	Search Text	DBs	Time Stamp
87	BRS	L92	178	multimedia same PDA	USPAT	2004/09/23 16:59
88	BRS	L93	21	(multimedia same PDA) and (PDA and simulation)	USPAT	2004/09/23 17:22
89	BRS	L94	69	(electronic adj data) same (synchronized)	USPAT	2004/09/23 17:29
90	BRS	L95	0	(electronic adj data) and 6216098.pn.	USPAT	2004/09/23 17:29
91	BRS	L96	1	(electronic andj data) and 6216098.pn.	USPAT	2004/09/23 17:32
92	BRS	L97	86760	(electronic andj data) and (reference same image)	USPAT	2004/09/23 17:32
93	BRS	L98	115	(electronic andj data) and (reference same image) and (PDA same camera)	USPAT	2004/09/23 17:33
94	BRS	L99	50	(electronic same data) and (reference same image) and (PDA same camera)	USPAT	2004/09/23 17:34
95	BRS	L100	3	(electronic adj data) and (reference same image) and (PDA same camera)	USPAT	2004/09/23 17:34
96	BRS	L101	2	(reference adj image) and (PDA same camera)	USPAT	2004/09/23 17:35
97	BRS	L102	98	(digital adj image) and (PDA same camera)	USPAT	2004/09/23 17:35
98	BRS	L103	98	(digital adj image\$) and (PDA same camera)	USPAT	2004/09/23 17:36
99	BRS	L104	7	(digital adj image\$) and (PDA same camera) and (sample same images)	USPAT	2004/09/23 17:54
100	BRS	L105	2	(digital adj image\$) and (PDA same camera) and (sample same images) and printed	USPAT	2004/09/23 17:37
101	BRS	L106	0	(digital adj image\$) and (PDA same camera) and (sample same images) and sound	USPAT	2004/09/23 17:54
102	BRS	L107	1	(digital adj image\$) and (PDA same camera) and (sample same images) and multimedia	USPAT	2004/09/23 18:16
103	BRS	L108	1	(digital adj image\$) and (PDA same camera) and (sample same images) and (sound or audio)	USPAT	2004/09/23 17:59
104	BRS	L109	46	(digital adj image\$) and (PDA same camera) and (sound or audio)	USPAT	2004/09/23 17:59

	Comments	Error Definition	Errors
87			0
88			0
89			0
90			0
91			0
92			0
93			0
94			0
95			0
96			0
97			0
98			0
99			0
100			0
101			0
102			0
103			0
104			0

	Type	L #	Hits	Search Text	DBs	Time Stamp
105	BRS	L110	0	(digital adj image\$) and (PDA same camera) and (sample same images) and multimedia and bar	USPAT	2004/09/23 18:57
106	BRS	L111	4	(icons same PDA) and (PDA same synchronize)	USPAT	2004/09/23 18:58
107	BRS	L112	2	(icons same PDA) and (PDA same synchronize) and images	USPAT	2004/09/23 19:26
108	BRS	L113	0	(icons same PDA) and (PDA same synchronize) and images and	USPAT	2004/09/23 18:59
109	BRS	L114	3	(icons same PDA) and (PDA same printing)	USPAT	2004/09/23 19:02
110	BRS	L115	2	(icons same PDA) and (PDA same synchronize) and images and	USPAT	2004/09/23 19:26

	Comments	Error Definition	Errors
105			0
106			0
107			0
108			0
109			0
110			0